

DIVISION OF WATER AND SEWER UTILITIES PRESENTATION TO DATA CENTERS WORKGROUP

JANUARY 10, 2024
6:00 PM



Division of Water and Sewer Utilities

Introductions

- ❑ **Mark Schweitzer – Director**
- ❑ **Rodney Winebrenner – Deputy Director**



Overview

- ❑ Growth Pays for Growth
- ❑ MDE Consumptive Use Regulations
- ❑ Frederick County Non-Potable Water Supplies
- ❑ Quantum Loophole Project
- ❑ Questions



Growth Pays for Growth

- ❑ **Development funds both onsite and offsite required water and sewer infrastructure improvements**
 - ❑ Residential developments are much more common than Commercial developments
- ❑ **Adequate Public Facility Ordinance (APFO) Process**
 - ❑ Water and Sewer demand estimates are provided
 - ❑ Developer proffers required improvements in an APFO Letter of Understanding (LOU)
- ❑ **Capacity Tracking**
 - ❑ 'Scorecard'
 - ❑ First test is at Site Plan
 - ❑ Second test is at Building Permit Stage



MDE Consumptive Use Regulations

❑ COMAR 26.17.07.02

Consumptive use of Surface Water in the Potomac River Basin

- ❑ Impacts the approval of Water and Sewer Plan Amendments by MDE and MDP
- ❑ Applicable to consumptive use (single or combined) in excess of 1 MGD
- ❑ Applies to both Water and Wastewater
- ❑ Requires a Low Flow Augmentation Plan incorporating 1 of 3 Alternatives
 - ❑ Halt the Consumptive Use
 - ❑ Reduction of Consumptive Use Below 1 MGD
 - ❑ Low Flow Augmentation – Provision of water through development of water storage facilities or purchase of storage space in existing facilities



Frederick County Non-Potable Water Supplies

- ❑ Ballenger-McKinney WWTP currently discharges ~ 7.5 MGD treated effluent
- ❑ Some County-owned infrastructure currently in place to support the use of reclaimed wastewater for industrial purposes
- ❑ Subject to MDE Consumptive Use Regulations and Permitting
- ❑ Developer must fund, design and construct required improvements



Frederick County Non-Potable Water Rates

- ❑ Ordinance 08-09-485, May 2008
- ❑ Non-Potable Water Rates
 - ❑ 60% current residential Ready to Serve (RTS) quarterly charge
 - ❑ 60% commodity usage quarterly charge based on Tier 3 water rates



Quantum Loophole Project

- ❑ **Quantum Loophole**
 - ❑ **Commercial Development**
 - ❑ **APFO LOU currently caps potable cooling water usage at 1.1 MGD max day**
 - ❑ **Separate cooling water infrastructure to allow switch to non-potable water supply later**



Questions?



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